## INTERNATIONAL SEARCH REPORT

International application No.

Japanese Patent Office			PCT/JP	2004/014452
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  Int.cl? A61K45/00, 39/395, 31/351, 45/06, A61P35/00, C07K16/22  ***Comment of the field searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  MEDLINE (STN), BIOSIS (STN), CAPLUS (STN), EMBASE (STN)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  1-11  **The comment of the Insulin-like Growth Factor-I  Receptor Inhibits the Adhension, Invasion, and Metastasis of Breast Cancer, Cancer  Research, 1998, Vol.58, No.15, pages  3353 to 3361  Y. WANG, Yuli et al., Insulin-like growth factor receptor-I as an anti-cancer target: blocking transformation and inducing apoptosis Current Cancer brug Targets, 2002, Vol.2, No.3, pages  191 to 207  **Special categories of cited documents.**  **A document of fining the generated to involve an inventive separated with the published on or after the international filing date or priority claim(9) or which is special reason (as special control to the particular relevance. the claimed invention cannot be considered now of cransot be considered to involve an inventive separate from the priority date claimed  **Comment published prior to the international filing date but later than the priority date claimed  **Comment of particular relevance, the claimed invention cannot be considered now of correct to involve an inventive separated from the priority date claimed  **Comment of particular relevance, the claimed invention cannot be considered now of the particular relevance, the claimed invention cannot be considered now of correct as too and the priority date claime		<sup>7</sup> A61K45/00, 39/395, 31/351, 4	45/06, A61P35/00,	
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Int.Cl' A61k45/00, 39/395, 31/351, 45/06, A61P35/00, C07K16/22  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  MEDLINE (STN), BIOSIS (STN), CAPLUS (STN), EMBASE (STN)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  DUNN, Sandra E. et al., A Dománant Negative Mutant of the Insulin-like Growth Factor-I Receptor Inhibits the Adhension, Invasion, and Metastasis of Breast Cencer, Cancer Research, 1998, Vol.59, No.15, pages 3353 to 3361  Y. WANG, Yuli et al., Insulin-like growth factor receptor-1 as an anti-cancer target: blocking transformation and inducing apoptosis, Current Cancer Drug Targets, 2002, Vol.2, No.3, pages  191 to 207  See patent family annex.  T. Special attagence of cited documents:  "E" capital attagence of cited documents:  "E" capital pagencal state of the art which is not considered to be of principal cited in the continuation of Box C.  "Special attagence of cited documents:  "E" capital pagencal state of the art which is not considered to be of principal cited in the continuation date of another citation or other incentional filing date or priority citations and inducing apoptosis, Current Cancer Drug Targets, 2002, Vol.2, No.3, pages  191 to 207  See patent family annex.  "Comment which may throw doubts on priority claim(s) or which is cited to establish the published mode of another incitation or other means in cited to establish the published mode of the international filing date or priority date claimed and counter of particular relevance, the claimed invention cannot be considered not or or annot be considered n				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  PUNN, Sandra E. et al., A Dominant Negative Mutant of the Insulin-like Growth Factor-I Receptor Inhibits the Adhension, Invasion, and Metastasis of Breast Cancer, Cancer Research, 1998, Vol.58, No.15, pages 3353 to 3361  Y WANG, Yuli et al., Insulin-like growth factor receptor-l as an anti-cancer target: blocking transformation and inducing apoptosis, Current Cancer Drug Targets, 2002, Vol.2, No.3, pages 191 to 207  See patent family annex.  Transformation defining the general state of the art which is not considered to be of particular relevance: The eliminational filing date or priority date adment in cellular relevance: the claimed invention cannot be considered to involve an invention and countent of particular relevance: the claimed invention cannot be considered to involve an invention and countent in the publication of the international filing date to the priority date claimed "Transformation or other means of document published prior to the international filing date to relevance the claimed invention cannot be considered to involve an invention and countent is taken along the priority date claimed "Transformation or other means of document published prior to the international filing date to the factor of the means of the schall completion of the international search provided to a person skilled in the publication or other means of document or person skilled in the publication or other means of the schall completion of the international search provided to a person skilled in the provided and the pro	Documentation s	searched other than minimum documentation to the ext	tent that such documents are included in the	e fields searched
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Y DUNN, Sandra E. et al., A Dominant Negative Mutant of the Insulin-like Growth Factor-I Receptor Inhibits the Adhension, Invasion, and Metastasis of Breast Cancer, Cancer Research, 1998, Vol.58, No.15, pages 3353 to 3361  Y WANG, Yuli et al., Insulin-like growth factor receptor-l as an anti-cancer target: blocking transformation and inducing apoptosis, Current Cancer Drug Targets, 2002, Vol.2, No.3, pages 191 to 207    Valid to a current of the properties of the properties of the decument of the properties of the decument of the properties of the decument of the properties of the publication or patent but published on or after the international filing date or priority date and not in conflict or considered to be of particular relevance to caliform to the publication or patent but published on or after the international filing date or priority date and not in conflict or considered document of particular relevance, the claimed invention cannot be considered on overlaw an inventive step when the document is taken alone of document referring to an orral disclosure, use, exhibition or other means the priority date claimed invention cannot be considered for an overlaw an inventive step when the document is considered to involve an inventive step when the document is taken alone of document referring to an orral disclosure, use, exhibition or other means the priority date claimed invention cannot be considered for lovel or cannot the considered to involve an inventive step when the document is considered to involve an inventive step when the document is taken alone of document referring to an orral disclosure, use, exhibition or other means the priority date claimed invention cannot be considered on overlaw the priority date claimed invention cannot be considered to involve an inventive step when the document is taken alone of the priority date claimed invention cannot be considered to involve an inventive step when the document step when the document is taken alone of the priority date claimed invention cannot be c	C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		· ·
Mutant of the Insulin-like Growth Factor—I Receptor Inhibits the Addension, Invasion, and Metastasis of Breast Cancer, Cancer Research, 1998, Vol.58, No.15, pages 33553 to 3361  Y WANG, Yuli et al., Insulin-like growth factor receptor—I as an anti-cancer target: blocking transformation and inducing apoptosis, Current Cancer Drug Targets, 2002, Vol.2, No.3, pages 191 to 207  * Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance that is cited to establish the publication date of another citation or other filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O document referring to an oral disclosure, use, exhibition or other means the priority date claimed  "P" document referring to an oral disclosure, use, exhibition or other means the priority date claimed  "Comment published prior to the international filing date but later than the priority date claimed  "Comment referring to an oral disclosure, use, exhibition or other means the priority date claimed  "Comment referring to an oral disclosure, use, exhibition or other means the priority date claimed  "Comment published prior to the international filing date but later than the priority date claimed  "Comment referring to an oral disclosure, use, exhibition or other means the priority date claimed  "Comment referring to an oral disclosure, use, exhibition or other means the priority date claimed  "Comment published prior to the international filing date but later than the priority date claimed  "Comment of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is not considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step wh			<del>-</del>	Relevant to claim No.
receptor-1 as an anti-cancer target: blocking transformation and inducing apoptosis, Current Cancer Drug Targets, 2002, Vol.2, No.3, pages  Further documents are listed in the continuation of Box C.  Special categories of cited documents:  Special categories of cited documents:  Special categories of cited documents:  Carlier application or patent but published on or after the international filing date of priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered to establish the publication date of another citation or other special reason (as specified)  "O"  "O"  "O"  "O"  "O"  "O"  "O"  "	Y	Mutant of the Insulin-like G Receptor Inhibits the Adhens and Metastasis of Breast Can Research, 1998, Vol.58, No.1	rowth Factor-I ion, Invasion, cer, Cancer	1-11
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  21 December, 2004 (21.12.04)  Name and mailing address of the ISA/  Japanese Patent family allex.  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention adocument of particular relevance; the claimed invention cannot be considered novel or	Y .	receptor-1 as an anti-cancer target: blocking transformation and inducing apoptosis, Current Cancer Drug Targets, 2002, Vol.2, No.3, pages		1-11
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filing date  document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search 21 December, 2004 (21.12.04)  Date of the actual completion of the international search Japanese Patent Office  Facsimile No.  Considered novel or cannot be considered to involve an inventive step when the document is taken alone  considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of mailing of the international search report 11 January, 2005 (11.01.05)  Authorized officer  Telephone No.	"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search 21 December, 2004 (21.12.04)  Name and mailing address of the ISA/ Japanese Patent Office  Telephone No.	filing date "L" document wi	hich may throw doubts on priority claim(s) or which is	considered novel or cannot be considered	dered to involve an inventive
"P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search 21 December, 2004 (21.12.04)  Name and mailing address of the ISA/ Japanese Patent Office  Date of mailing of the international search report 11 January, 2005 (11.01.05)  Authorized officer  Telephone No.	cited to establish the publication date of another citation or other special reason (as specified)		considered to involve an inventive	step when the document is
21 December, 2004 (21.12.04)  Name and mailing address of the ISA/ Japanese Patent Office  Facsimile No.  11 January, 2005 (11.01.05)  Authorized officer  Telephone No.	"P" document published prior to the international filing date but later than		being obvious to a person skilled in the	art
Japanese Patent Office  Facsimile No.  Telephone No.	21 December, 2004 (21.12.04)		Date of mailing of the international search report 11 January, 2005 (11.01.05)	
	Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
	Facsimile No.	(second sheet) (January 2004)	Telephone No.	

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014452

C (Continuation)	). DOCUMENTS CONSIDERED TO BE RELEVANT	·	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	JP 2002-512792 A (GENESENSE TECHNOLOGIES INC.), 08 May, 2002 (08.05.02), Full text; particularly, Claims; Par No. [0005], example 8 & WO 99/55854 A2 & EP 1073728 A2 & US 2002/187954 A1 & CA 2326825 A & BR 9909859 A	1-11	
Y	JP 09-501411 A (BICHER, Haim, I.), 10 February, 1997 (10.02.97), Full text; particularly, page 7, lines 20 to 24; page 8, lines 4 to 5 & WO 94/28909 A1 & EP 707480 A1	1-11	
<b>Y</b>	& US 5624908 A  JP 2003-520195 A (Imclone Systems Inc.), 02 July, 2003 (02.07.03), Full text; particularly, Claims & WO 2000/69459 A1 & EP 1218032 A1 & US 2002/0012663 A1 & AU 200046871 A & CN 1361700 A & KR 2002000223 A	1-11	
P,X	GOYA, Masato et al., Growth Inhibition of Human Prostate Cancer Cells in Human Adult Bone Implanted into Nonobese Diabetic/Severe Combined Immunodeficient Mice by a Ligand-Specific Antibody to Human Insulin-Like Growth Factors, Cancer Research, 2004, Vol.64, No.17, pages 6252 to 6258	1-11	
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## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/014452

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1.   Claims Nos.: 12-15  because they relate to subject matter not required to be searched by this Authority, namely:  Claims 12 to 15 pertain to methods for treatment of the human body by surgery or therapy and thus relate to a subject matter which this International Searching Authority is not required to search.			
	Nos.: they relate to parts of the international application that do not comply with the prescribed requirements to such an nat no meaningful international search can be carried out, specifically:		
3. Claims because	Nos.: they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)		
l. As all re	equired additional search fees were timely paid by the applicant, this international search report covers all searchable		
claims.  2. As all se	archable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of		
3. As only	some of the required additional search fees were timely paid by the applicant, this international search report covers use claims for which fees were paid, specifically claims Nos.:		
	nired additional search fees were timely paid by the applicant. Consequently, this international search report is do to the invention first mentioned in the claims; it is covered by claims Nos.:		
Remark on Prot	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.		